

## Diploma thesis proposals for BSc. |(1st level) CE students

Entity:

Institute of Roads and Bridges

ZGMiBP

**ATTENTION: In the G,MiBP Department it is possible to agree with the promoter the subject of the diploma thesis, taking into account the special interests of the student.**

Promoter	Subject	Description	Speciality
Dr Anna Lejzerowicz	Ground penetrating radar (GPR) in civil engineering investigations (e.g. concrete/asphalt).		CES
	The use of geophysical methods in the construction of roads/tunnels		CES
	Assessment of the possibility of applying GPR method in geological-engineering surveys in the area of... (location to choose).		CES
	Possibility of using the ground penetrating radar to recognize the geological structure of... (location to choose).		CES
	The use of the GPR method in concrete / asphalt investigations (searching for e.g. reinforcement, voids, discontinuities, inhomogeneities; part of the tests can be performed at the test site for non-invasive tests of WUT).		CES
	GPR investigations of concrete structure (part of the tests can be performed at the test site for non-invasive tests of WUT).		CES
	Identification of underground infrastructure in an urbanized area using the GPR method (location to choose within Warsaw and its vicinity).		CES
	Assessment of the geological-engineering conditions of the building substrate using the GPR method (area within Warsaw and its vicinity).		CES
	Topic proposed by student from the field of engineering geology and ground penetrating radar).		CES
Dr inż. Wojciech Karwowski	Multiparameter analysis inspired by interesting bridge engineering issues.		CES
	Study works related to interesting bridge engineering issues.		CES